

**REMARKS**

Claims 1-13 remain present in this application.

The specification has been amended. Reconsideration of the application, as amended, is respectfully requested.

Claims 1-4 and 7-13 stand rejected under 35 USC 102(e) as being anticipated by SAMARANAYAKE et al., U.S. Patent 6,743,514. This rejection is respectfully traversed.

Claims 1-4 and 7-13 stand rejected under 35 USC 103 as being obvious over SAMARANAYAKE et al. This rejection is respectfully traversed.

Claim 1 of the present application provides an **inkjet ink composition** which is photocurable pigment type. However, SAMARANAYAKE et al. discloses an **ink-jet printing receptive coating** which is formed on a substrate to enhance their receptivity for an ink-jet ink. Applicants respectfully submit that the radiation curable aqueous composition disclosed by SAMARANAYAKE et al. is a composition used to form an **ink-jet printing receptive coating, rather than a radiation curable inkjet composition** as noted by the Examiner. Thus, SAMARANAYAKE et al. does not solve the same problems as the present invention, and there is no **suggestion or motivation** to one of ordinary skill in the art to modify SAMARANAYAKE et al. for preparing an **inkjet ink composition with good water fastness**.

Additionally, it is respectfully submitted that SAMARANAYAKE et al. does not teach or suggest the radiation curable inkjet composition comprising the pigment as required in claim 1.

It is noted that claim 1 recites:

*“A photocurable pigment type inkjet ink composition comprising:*

...

*0.5 to 20 wt% of a pigment;*

*1 to 70 wt% of a photocurable component; and*

*...”*

Accordingly, the **inkjet ink composition** of the present invention comprises a **pigment**. The term “pigment” used herein has the same meaning as in ink-jet printing technology (the Examiner’s attention is drawn to U.S. Patent 6,616,981, U.S. Publication 2004/0122160, and U.S. Patent 6,156,384) and **refers to a water insoluble colorant**, such as Pigment Red 254 as is disclosed in examples 1 and 3 of the present specification. In particular, the purpose of the pigment used in the present application is to give color to a medium such as paper. Likewise, the term “pigment” recited in SAMARANAYAKE et al. means a material apt to absorb water of ink-jet ink, such as silica, alumina, plastic pigments, calcium carbonate, or kaolin clay (referring to col. 1, lines 39-42, and col. 6, lines 15-20 of SAMARANAYAKE et al., for example). In particular, the term “pigment” used in SAMARANAYAKE et al. has the same meaning as the term “**filler**” defined in ink-jet printing technology (the Examiner’s attention is drawn to U.S. Publication 2003/0013628). Accordingly, it is respectfully submitted that one of ordinary skill in the art would consider the “pigment” defined by the present application to be distinct from that disclosed in SAMARANAYAKE et al.

Moreover, since the aqueous composition disclosed by SAMARANAYAKE et al. is used to form a coating, the weight ratio of each component thereof is modified to result in the aqueous composition having an enough viscosity to promote the formation of coating. In general, the aqueous composition for forming an ink jet media coating (such as **receptive coating**) has a viscosity of more than 1000cps. To the contrary, in order to attain high mobility, an ink-jet

printing ink generally has a viscosity of less than 20cps. Furthermore, even if SAMARANAYAKE et al. and the present application had the same components, the component weight ratios between the aqueous composition of SAMARANAYAKE et al. and the ink-jet printing ink of the present application are different, due to the distinct demands of viscosity.

Accordingly, it is respectfully submitted that the references utilized by the Examiner neither disclose an inkjet ink composition nor teach all of the limitations of independent claim 1 of the present application. Accordingly, it is respectfully submitted that independent claim 1, as well as its dependent claims, are neither taught nor suggested by the prior art utilized by the Examiner. Reconsideration and withdrawal of the 35 USC 102 and 103 rejections are respectfully requested.

Applicants gratefully acknowledge that the Examiner considers claims 5 and 6 to contain allowable subject matter. However, in view of the foregoing remarks, it is respectfully submitted that all claims should be in condition for allowance.

Favorable reconsideration and an early Notice of Allowance are earnestly solicited.

In the event that any outstanding matters remain in this application, the Examiner is invited to contact the undersigned at (703) 205-8000 in the Washington, D.C. area.

Pursuant to 37 C.F.R. §§ 1.17 and 1.136(a), the Applicants respectfully petition for a one (1) month extension of time for filing a response in connection with the present application and the required fee of \$120.00 is attached herewith.

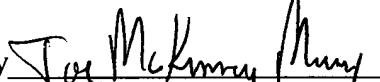
Application No.: 10/705,943

Docket No.: 0941-0866P

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Dated: June 24, 2005

Respectfully submitted,

By 

Joe McKinney Muncy

Registration No.: 32,334

BIRCH, STEWART, KOLASCH & BIRCH, LLP

8110 Gatehouse Rd

Suite 100 East

P.O. Box 747

Falls Church, Virginia 22040-0747

(703) 205-8000

Attorney for Applicant